

# MISSOURI CAREER REPORT CARD

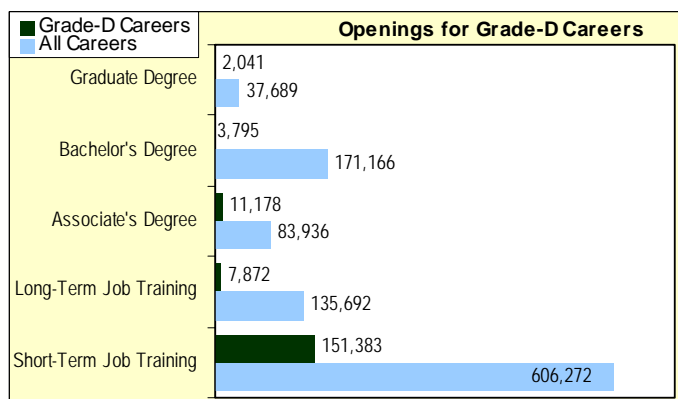
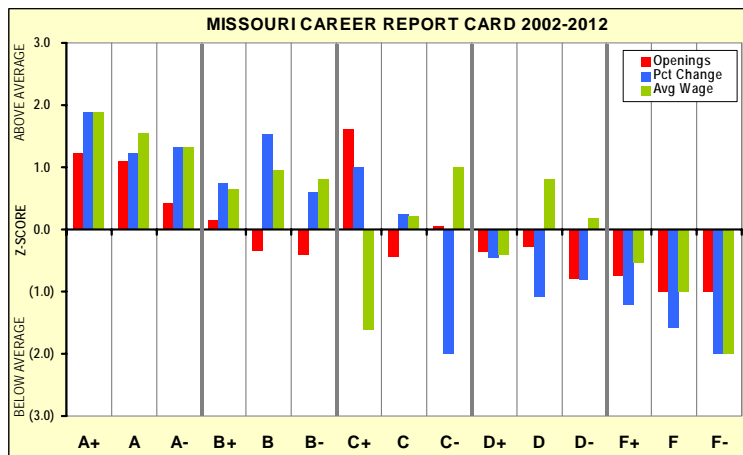
## 2002-2012 OCCUPATIONAL OUTLOOK



Missouri's Career Report Card assigns academic letter grades to occupations based on their economic outlook over the next decade – with *Grade-A* jobs having the best outlook and *Grade-F* jobs having the worst outlook. Grades were based on: (a) job openings, (b) percent growth, and (c) average wages.

### Grade-D Careers Fast Facts

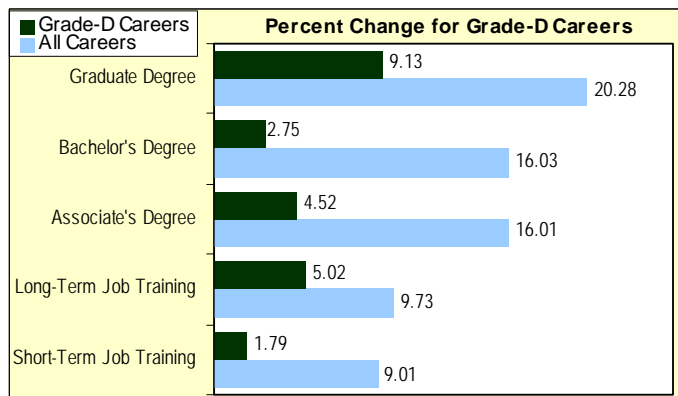
- Base employment of 605,712 in 2002 (21.1% of all employment statewide).
- Average annual wage of \$24,544 in 2002 (average wage statewide is \$33,327).
- 176,269 job openings between 2002-2012 (17.0% of all openings statewide).
- 2.2% percent growth between 2002-2012 (average growth statewide is 11.2%).



***Most Grade-D Careers will require short-term on-the-job training.***

Of all Grade-D career openings, 86% will require short-term on-the-job training and 5% long-term job training.

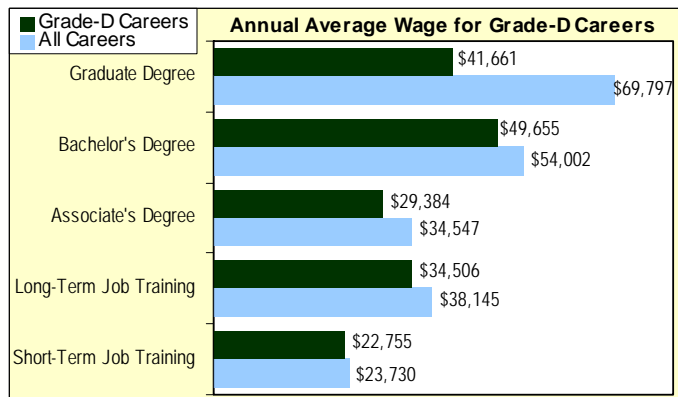
Very few will require higher education, with only 3% requiring a bachelor's or graduate degree and 6% an associate's or vocational degree.



***Grade-D Careers will grow much slower than the state average for similar trained careers.***

The fastest growing Grade-D careers are those requiring a graduate degree.

*However*, all Grade-D careers are expected to grow much slower than other jobs with similar training, especially those requiring higher education.



***Grade-D Careers pay lower wages than the state average for similar trained careers.***

Grade-D careers that pay the highest wages require a bachelor's degree, a graduate degree, or long-term on-the-job training.

*However*, only Grade-D careers requiring short-term training pay close to similar qualified jobs.

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education and Experience Typically Required	Pct BA/BS or Higher
D+	37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	2,092	13.90	\$27,450	Work experience in a related occupation	8.64
D+	43-4081	Hotel, Motel, and Resort Desk Clerks	1,979	10.05	\$16,300	Short-term on-the-job training	15.95
D+	51-3022	Meat, Poultry, and Fish Cutters and Trimmers	1,875	12.69	\$18,850	Short-term on-the-job training	2.59
D+	51-9199	Production Workers, All Other	1,871	2.20	\$32,450	Moderate-term on-the-job training	4.66
D+	43-6013	Medical Secretaries	1,851	8.74	\$23,410	Postsecondary vocational training	15.86
D+	43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	1,730	(10.23)	\$34,180	Short-term on-the-job training	14.72
D+	29-2012	Medical and Clinical Laboratory Technicians	1,718	13.66	\$26,140	Associate degree	49.73
D+	39-3091	Amusement and Recreation Attendants	1,644	11.02	\$15,600	Short-term on-the-job training	13.69
D+	35-2015	Cooks, Short Order	1,618	8.24	\$16,450	Short-term on-the-job training	5.27
D+	51-2099	Assemblers and Fabricators, All Other	1,607	(7.87)	\$38,530	Moderate-term on-the-job training	4.97
D+	51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders,	1,335	9.50	\$22,480	Moderate-term on-the-job training	2.87
D+	51-3023	Slaughterers and Meat Packers	1,259	14.07	\$18,480	Moderate-term on-the-job training	2.59
D+	21-1015	Rehabilitation Counselors	1,211	11.87	\$26,440	Master's degree	69.81
D+	43-3051	Payroll and Timekeeping Clerks	1,166	2.56	\$28,630	Moderate-term on-the-job training	15.23
D+	51-3011	Bakers	1,082	10.10	\$20,800	Long-term on-the-job training	5.98
D+	39-2021	Nonfarm Animal Caretakers	1,068	9.41	\$17,660	Short-term on-the-job training	12.70
D+	51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and P	1,037	9.71	\$24,480	Moderate-term on-the-job training	0.10
D+	43-9041	Insurance Claims and Policy Processing Clerks	1,033	3.65	\$30,090	Moderate-term on-the-job training	16.15
D+	43-9011	Computer Operators	984	(20.75)	\$29,560	Moderate-term on-the-job training	20.40
D+	51-5023	Printing Machine Operators	966	(4.06)	\$31,830	Moderate-term on-the-job training	4.11
D+	53-3021	Bus Drivers, Transit and Intercity	936	7.30	\$28,120	Moderate-term on-the-job training	6.96
D+	53-7081	Refuse and Recyclable Material Collectors	925	11.36	\$24,300	Short-term on-the-job training	6.42
D+	41-9022	Real Estate Sales Agents	923	5.21	\$38,370	Postsecondary vocational training	40.74
D+	43-4141	New Accounts Clerks	907	14.17	\$25,050	Work experience in a related occupation	15.97
D+	43-4999	Financial, Information, and Record Clerks, All Other (OES Only)	880	(2.98)	\$31,700	Short-term on-the-job training	22.92
D+	17-3011	Architectural and Civil Drafters	879	7.29	\$37,500	Postsecondary vocational training	23.53
D+	51-3092	Food Batchmakers	747	12.85	\$25,720	Short-term on-the-job training	4.50
D+	51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	747	11.07	\$25,040	Moderate-term on-the-job training	3.34
D+	43-9999	Secretaries, Administrative Assistants, and Other Office Support Workers, All	738	(6.04)	\$30,090	Short-term on-the-job training	32.63
D+	31-1013	Psychiatric Aides	721	10.59	\$21,170	Short-term on-the-job training	5.92
D+	53-3041	Taxi Drivers and Chauffeurs	713	10.18	\$18,970	Short-term on-the-job training	13.22
D+	51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	684	(3.66)	\$29,100	Moderate-term on-the-job training	3.59
D+	41-9091	Door-To-Door Sales Workers, News and Street Vendors, and Related Workers	632	(18.49)	\$35,150	Short-term on-the-job training	22.57
D+	45-2093	Farmworkers, Farm and Ranch Animals	599	11.79	\$21,520	Short-term on-the-job training	4.61
D+	49-2011	Computer, Automated Teller, and Office Machine Repairers	542	6.56	\$34,720	Postsecondary vocational training	22.02
D+	29-2081	Opticians, Dispensing	509	12.11	\$21,850	Long-term on-the-job training	17.68
D+	51-2041	Structural Metal Fabricators and Fitters	509	0.28	\$29,150	Moderate-term on-the-job training	0.00
D+	51-5022	Prepress Technicians and Workers	499	(17.57)	\$28,930	Long-term on-the-job training	12.95
D+	13-2082	Tax Preparers	445	9.23	\$33,300	Moderate-term on-the-job training	54.01
D+	29-1031	Dietitians and Nutritionists	404	13.99	\$37,610	Bachelor's degree	57.50
D+	25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	346	12.29	\$34,760	Bachelor's degree	55.19
D+	43-5011	Cargo and Freight Agents	317	9.62	\$33,520	Moderate-term on-the-job training	13.15
D+	47-2151	Pipelayers	311	14.27	\$35,140	Moderate-term on-the-job training	4.16
D+	43-9031	Desktop Publishers	282	13.43	\$28,290	Postsecondary vocational training	16.29
D+	49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	235	14.41	\$37,680	Moderate-term on-the-job training	9.89

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education and Experience Typically Required	Pct BA/BS or Higher
D+	47-5031	Explosives Workers, Ordnance Handling Experts, and Blasters	127	12.30	\$33,240	Moderate-term on-the-job training	3.85
D+	19-4011	Agricultural and Food Science Technicians	118	13.65	\$33,110	Associate degree	39.28
D+	27-3099	Media and Communication Workers, All Other	117	14.58	\$33,980	Long-term on-the-job training	53.69
D+	47-2161	Plasterers and Stucco Masons	117	12.24	\$37,730	Long-term on-the-job training	2.67
D+	19-3022	Survey Researchers	105	9.86	\$28,560	Master's degree	77.63
D+	19-4021	Biological Technicians	100	12.17	\$33,660	Associate degree	58.99
D+	39-2011	Animal Trainers	95	13.03	\$29,420	Moderate-term on-the-job training	24.23
D+	49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	92	10.65	\$31,510	Postsecondary vocational training	2.53
D+	51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	88	8.90	\$28,360	Short-term on-the-job training	4.20
D+	51-4061	Model Makers, Metal and Plastic	87	8.96	\$38,300	Moderate-term on-the-job training	2.43
D+	25-2023	Vocational Education Teachers, Middle School	81	8.71	\$35,720	Bachelor's or higher degree, plus work experience	91.85
D+	51-7032	Patternmakers, Wood	30	12.68	\$29,190	Long-term on-the-job training	10.44
D+	27-1027	Set and Exhibit Designers	27	10.71	\$37,250	Bachelor's degree	48.39
D+	41-9012	Models	ND	ND	ND	Moderate-term on-the-job training	35.22
D	43-9061	Office Clerks, General	21,079	7.29	\$22,740	Short-term on-the-job training	16.71
D	53-7062	Laborers and Freight, Stock, and Material Movers, Hand	13,655	(0.96)	\$22,370	Short-term on-the-job training	4.51
D	43-5081	Stock Clerks and Order Fillers	10,903	(7.06)	\$21,210	Short-term on-the-job training	8.57
D	51-2092	Team Assemblers	8,558	(4.00)	\$26,720	Moderate-term on-the-job training	4.97
D	37-2012	Maids and Housekeeping Cleaners	7,602	3.50	\$15,910	Short-term on-the-job training	4.61
D	43-3031	Bookkeeping, Accounting, and Auditing Clerks	7,118	(0.22)	\$26,210	Moderate-term on-the-job training	15.84
D	39-9011	Child Care Workers	6,608	2.40	\$16,370	Short-term on-the-job training	12.70
D	43-6014	Secretaries, Except Legal, Medical, and Executive	6,369	(6.75)	\$24,530	Moderate-term on-the-job training	15.86
D	35-2011	Cooks, Fast Food	5,196	7.66	\$14,550	Short-term on-the-job training	5.27
D	35-9021	Dishwashers	5,124	7.15	\$14,890	Short-term on-the-job training	3.05
D	35-2012	Cooks, Institution and Cafeteria	4,099	(2.68)	\$17,530	Moderate-term on-the-job training	5.27
D	53-2011	Airline Pilots, Copilots, and Flight Engineers	ND	ND	ND	Bachelor's degree	76.11
D	17-2071	Electrical Engineers	414	2.76	\$61,370	Bachelor's degree	80.45
D	37-2021	Pest Control Workers	ND	ND	ND	Moderate-term on-the-job training	5.39
D	39-3199	Gaming Workers, All Other (OES Only)	ND	ND	ND	Moderate-term on-the-job training	13.28
D	29-1131	Veterinarians	352	6.52	\$57,410	First professional degree	98.76
D	31-2022	Physical Therapist Aides	311	31.38	\$21,510	Short-term on-the-job training	22.50
D	39-3093	Locker Room, Coatroom, and Dressing Room Attendants	ND	ND	ND	Short-term on-the-job training	9.11
D	41-9021	Real Estate Brokers	279	(0.57)	\$71,700	Work experience in a related occupation	40.74
D	53-4031	Railroad Conductors and Yardmasters	265	(21.08)	\$49,450	Work experience in a related occupation	10.87
D	27-1011	Art Directors	236	2.46	\$62,460	Bachelor's or higher degree, plus work experience	58.50
D	15-2031	Operations Research Analysts	190	5.65	\$53,890	Master's degree	58.34
D	13-2061	Financial Examiners	171	4.46	\$67,750	Bachelor's degree	65.27
D	19-2099	Physical Scientists, All Other	117	5.26	\$67,470	Bachelor's degree	97.97
D	53-6051	Transportation Inspectors	113	1.81	\$50,030	Work experience in a related occupation	14.40
D	53-2021	Air Traffic Controllers	109	4.78	\$84,130	Long-term on-the-job training	49.09
D	31-2012	Occupational Therapist Aides	95	30.04	\$25,400	Short-term on-the-job training	17.12
D	51-8012	Power Distributors and Dispatchers	91	2.24	\$49,910	Long-term on-the-job training	12.35
D	19-2021	Atmospheric and Space Scientists	79	(2.50)	\$59,440	Bachelor's degree	90.44
D	29-1081	Podiatrists	78	6.80	\$150,010	First professional degree	98.66
D	49-2095	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	74	1.94	\$50,700	Postsecondary vocational training	5.10

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education and Experience Typically Required	Pct BA/BS or Higher
D	17-2061	Computer Hardware Engineers	72	6.01	\$60,910	Bachelor's degree	68.62
D	19-1010	Agricultural and Food Scientists	65	6.79	\$51,560	Bachelor's degree	62.27
D	23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	ND	ND	ND	Bachelor's or higher degree, plus work experience	97.77
D	17-2161	Nuclear Engineers	ND	ND	ND	Bachelor's degree	89.14
D	17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	ND	ND	ND	Bachelor's degree	74.89
D	11-9071	Gaming Managers	24	3.67	\$63,590	Work experience in a related occupation	16.22
D	19-1023	Zoologists and Wildlife Biologists	ND	ND	ND	Bachelor's degree	95.89
D	17-2121	Marine Engineers and Naval Architects	ND	ND	ND	Bachelor's degree	74.89
D	19-2012	Physicists	ND	ND	ND	Doctoral degree	93.54
D	23-1022	Arbitrators, Mediators, and Conciliators	8	7.14	\$51,480	Bachelor's or higher degree, plus work experience	97.77
D	51-8011	Nuclear Power Reactor Operators	ND	ND	ND	Long-term on-the-job training	12.18
D	15-2021	Mathematicians	ND	ND	ND	Master's degree	68.31
D	19-3032	Industrial-Organizational Psychologists	ND	ND	ND	Master's degree	99.39
D	53-4012	Locomotive Firers	ND	ND	ND	Work experience in a related occupation	5.94
D	19-3041	Sociologists	ND	ND	ND	Master's degree	89.48
D-	35-3011	Bartenders	3,765	4.33	\$17,170	Short-term on-the-job training	12.90
D-	51-9198	Helpers--Production Workers	3,286	5.96	\$21,250	Short-term on-the-job training	5.39
D-	43-5071	Shipping, Receiving, and Traffic Clerks	3,179	(1.34)	\$24,370	Short-term on-the-job training	6.95
D-	53-7061	Cleaners of Vehicles and Equipment	2,916	5.91	\$18,640	Short-term on-the-job training	4.53
D-	53-3022	Bus Drivers, School	2,841	7.10	\$19,540	Short-term on-the-job training	6.96
D-	39-5012	Hairdressers, Hairstylists, and Cosmetologists	2,439	(1.77)	\$21,120	Postsecondary vocational training	4.13
D-	45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	2,295	6.24	\$17,630	Short-term on-the-job training	4.61
D-	19-4031	Chemical Technicians	467	7.15	\$41,980	Associate degree	28.65
D-	27-3020	News Analysts, Reporters and Correspondents	459	0.05	\$39,020	Bachelor's or higher degree, plus work experience	86.93
D-	13-2081	Tax Examiners, Collectors, and Revenue Agents	385	3.82	\$41,470	Bachelor's degree	53.30
D-	45-2091	Agricultural Equipment Operators	379	15.66	\$15,290	Moderate-term on-the-job training	4.61
D-	43-5051	Postal Service Clerks	320	(0.25)	\$39,110	Short-term on-the-job training	14.71
D-	29-2056	Veterinary Technologists and Technicians	315	15.64	\$24,890	Associate degree	12.30
D-	51-9011	Chemical Equipment Operators and Tenders	313	3.77	\$39,530	Moderate-term on-the-job training	17.47
D-	17-3013	Mechanical Drafters	305	(0.55)	\$39,590	Postsecondary vocational training	23.53
D-	37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	300	16.24	\$25,400	Moderate-term on-the-job training	5.75
D-	51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	ND	ND	ND	Long-term on-the-job training	4.87
D-	53-2012	Commercial Pilots	273	(12.55)	\$47,540	Postsecondary vocational training	76.11
D-	11-9061	Funeral Directors	256	2.55	\$41,370	Associate degree	39.22
D-	47-2011	Boilermakers	254	6.00	\$44,320	Long-term on-the-job training	2.80
D-	49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	235	15.97	\$24,670	Moderate-term on-the-job training	0.75
D-	17-3012	Electrical and Electronics Drafters	230	0.75	\$39,870	Postsecondary vocational training	23.53
D-	51-8013	Power Plant Operators	229	5.19	\$47,610	Long-term on-the-job training	12.18
D-	49-3092	Recreational Vehicle Service Technicians	225	19.18	\$24,530	Long-term on-the-job training	2.29
D-	31-9093	Medical Equipment Preparers	219	17.60	\$20,980	Short-term on-the-job training	13.52
D-	39-4021	Funeral Attendants	204	15.17	\$17,990	Short-term on-the-job training	20.57
D-	29-2051	Dietetic Technicians	192	15.67	\$19,080	Moderate-term on-the-job training	12.30
D-	33-9091	Crossing Guards	187	18.85	\$19,810	Short-term on-the-job training	0.65
D-	53-5011	Sailors and Marine Oilers	164	15.99	\$23,580	Short-term on-the-job training	5.43
D-	11-9131	Postmasters and Mail Superintendents	160	(0.24)	\$45,800	Work experience in a related occupation	48.35

Career Grade	SOC	Occupation	Job Openings	Percent Growth	Average Wage	Education and Experience Typically Required	Pct BA/BS or Higher
D-	47-3014	Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	151	16.54	\$26,900	Short-term on-the-job training	6.07
D-	47-3016	Helpers--Roofers	148	16.41	\$21,900	Short-term on-the-job training	6.07
D-	27-1099	Art and Design Workers, All Other (OES Only)	143	(0.37)	\$38,790	Bachelor's degree	58.50
D-	33-9011	Animal Control Workers	140	15.95	\$24,990	Moderate-term on-the-job training	13.61
D-	19-1031	Conservation Scientists	133	0.90	\$45,020	Bachelor's degree	67.05
D-	53-7041	Hoist and Winch Operators	132	19.23	\$27,420	Moderate-term on-the-job training	2.55
D-	47-2142	Paperhangers	129	4.56	\$45,380	Moderate-term on-the-job training	7.25
D-	33-3011	Bailiffs	127	15.43	\$27,660	Moderate-term on-the-job training	11.32
D-	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	ND	ND	ND	Postsecondary vocational training	6.52
D-	39-1011	Gaming Supervisors	106	3.20	\$40,960	Work experience in a related occupation	33.10
D-	27-2023	Umpires, Referees, and Other Sports Officials	95	16.42	\$26,440	Long-term on-the-job training	60.85
D-	49-3052	Motorcycle Mechanics	85	20.97	\$23,350	Long-term on-the-job training	2.11
D-	49-2091	Avionics Technicians	83	(1.47)	\$46,410	Postsecondary vocational training	6.52
D-	15-2041	Statisticians	82	(1.29)	\$45,980	Master's degree	82.93
D-	49-9069	Precision Instrument and Equipment Repairers, All Other	80	4.49	\$41,390	Long-term on-the-job training	17.98
D-	53-4099	Rail Transportation Workers, All Other	ND	ND	ND	Moderate-term on-the-job training	11.55
D-	51-6099	Textile, Apparel, and Furnishings Workers, All Other	62	16.03	\$19,480	Short-term on-the-job training	3.38
D-	49-9097	Signal and Track Switch Repairers	57	(18.52)	\$43,860	Moderate-term on-the-job training	8.57
D-	53-4021	Railroad Brake, Signal, and Switch Operators	ND	ND	ND	Work experience in a related occupation	11.55
D-	49-2099	Electrical and Electronic Equipment Mechanics, Installers, and Repairers, All Other	ND	ND	ND	Postsecondary vocational training	11.00
D-	17-3021	Aerospace Engineering and Operations Technicians	ND	ND	ND	Associate degree	16.23
D-	53-7072	Pump Operators, Except Wellhead Pumps	ND	ND	ND	Moderate-term on-the-job training	8.98
D-	53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	ND	ND	ND	Work experience in a related occupation	5.94
D-	29-2091	Orthotists and Prosthetists	34	7.75	\$45,130	Bachelor's degree	21.97
D-	25-9021	Farm and Home Management Advisors	ND	ND	ND	Bachelor's degree	84.63
D-	19-1032	Foresters	ND	ND	ND	Bachelor's degree	67.05
D-	53-7071	Gas Compressor and Gas Pumping Station Operators	18	(2.53)	\$44,800	Moderate-term on-the-job training	8.98
D-	45-4011	Forest and Conservation Workers	13	7.50	\$38,960	Moderate-term on-the-job training	10.57
D-	53-6011	Bridge and Lock Tenders	13	(26.83)	\$41,710	Short-term on-the-job training	6.89
D-	19-4051	Nuclear Technicians	ND	ND	ND	Associate degree	34.19
D-	15-2099	Mathematical Science Occupations, All Other	5	5.56	\$47,390	Master's degree	68.31
D-	53-2022	Airfield Operations Specialists	ND	ND	ND	Long-term on-the-job training	49.09
D-	15-2091	Mathematical Technicians	ND	ND	ND	Bachelor's degree	68.31
D-	19-3094	Political Scientists	ND	ND	ND	Master's degree	81.93
D-	53-5022	Motorboat Operators	ND	ND	ND	Moderate-term on-the-job training	13.94
D-	53-7111	Shuttle Car Operators	ND	ND	ND	Short-term on-the-job training	3.54

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